

23. (Added) The low dielectric constant material of claim 22 wherein the cage structure comprises at least one of an adamantane and a diamantane.

24. (Added) A layer comprising said low dielectric constant polymer of claim 21.

25. (Added) The ~~layer~~ of claim 24 wherein said aromatic portion comprises phenyl.

26. (Added) The layer of claim 25 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.

27. (Added) A film comprising said low dielectric constant polymer of claim 21.

28. (Added) The film of claim 27 wherein the thickness of the film is less than 100 μm .

29. (Added) The film of claim 28 wherein the dielectric constant is less than 3.

30. (Added) The ~~film~~ of claim 29 wherein said aromatic portion comprises phenyl.

31. (Added) The film of claim 30 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.

32. (Added) An insulator comprising said low dielectric constant polymer of claim 21.

33. (Added) The insulator of claim 32 wherein said aromatic portion comprises phenyl.

34. (Added) The insulator of claim 33 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.

35. (Added) An integrated circuit comprising the layer of claim 26.

36. (Added) An integrated circuit comprising the film of claim 31.

37. (Added) An integrated circuit comprising the insulator of claim 34.